

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 08-168100
 (43) Date of publication of application : 25. 06. 1996

(51) Int. Cl. H04S 5/00
 H04S 1/00
 H04S 3/00
 H04S 5/02
 H04S 7/00

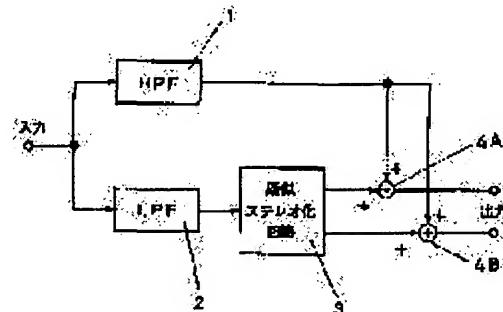
(21) Application number : 06-310616 (71) Applicant : MATSUSHITA ELECTRIC IND CO LTD
 (22) Date of filing : 14. 12. 1994 (72) Inventor : SUZUKI TATSUYA

(54) SOUND FIELD PROCESSING CIRCUIT AND SPEAKER SYSTEM FOR REPRODUCING SOUND FIELD

(57) Abstract:

PURPOSE: To provide a sound field processing circuit and a sound field reproducing speaker system which attain a sense of spread environmental sounds and reverberation sounds as well as a sense of movement of a sound image with respect to sound field reproduction of a movie or the like.

CONSTITUTION: A monaural sound field signal is inputted to a high-pass filter 1 and a low-pass filter 2, and is divided into a high band component and a low band component. The output signal of the low-pass filter 2 is converted to pseudo stereo signals by the use of a pseudo stereo signal conversion circuit 3. The output of the high-pass filter 1 is added to two output signals of the circuit 3 by adders 4A and 4B. As the result, two signals which are monaural in the high band and are pseudo stereo in the low band are outputted from adders 4A and 4B.



LEGAL STATUS

[Date of request for examination]
 [Date of sending the examiner's decision of rejection]
 [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

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04jun03 16:59:29 User015070 Session D8811.1
Sub account: SRSLABS.212VCN-CSP.

FILE: SOUND.DOC

US AND FOREIGN EQUIVALENTS OF JP 8168100

SYSTEM:OS - DIALOG OneSearch
File 351:Derwent WPI 1963-2003/UD,UM &UP=200335
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File 345:Inpadoc/Fam. & Legal Stat 1968-2003/UD=200321
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File 348:EUROPEAN PATENTS 1978-2003/May W04
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Set	Items	Description
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S1 2 PN=JP 8168100

1/7/1 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI
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010855816 **Image available**
WPI Acc No: 1996-352769/*199635*

Acoustic situation processing circuit for pseudo speaker system for television - has pair of adders to add output of HPF to two output signals from pseudo stereo circuit

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8168100	A	19960625	JP 94310616	A	19941214	199635 B

Priority Applications (No Type Date): JP 94310616 A 19941214

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8168100	A	8		H04S-005/00	

Abstract (Basic): JP 8168100 A

The circuit has a HPF (1) and an LPF (2) which divides a monaural acoustic signal into a low frequency component and a high frequency component. The output signal of the LPF is converted into a false stereo by a pseudo stereo circuit (3).

Two mutually correlating signals are output by the pseudo stereo circuit. The output of the HPF is added to the two output signals from the stereo circuit by using a pair of adders (4A,4B).

ADVANTAGE - Reduces sense of incongruity in stereo sound. Provides sensation of environmental tone and reverberated sound. Obtains compatibility of moving tone.

Dwg.1/14

Derwent Class: W03; W04
International Patent Class (Main): H04S-005/00
International Patent Class (Additional): H04S-001/00; H04S-003/00;
H04S-005/02; H04S-007/00

1/39/2 (Item 1 from file: 345)
DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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Basic Patent (No,Kind,Date): JP 8168100 A2 960625 <No. of Patents: 001>
Patent Family:

Patent No	Kind	Date	AppliC No	Kind	Date
JP 8168100	A2	960625	JP 94310616	A	941214 (BASIC)

Priority Data (No,Kind,Date):
JP 94310616 A 941214

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 8168100 A2 960625
SOUND FIELD PROCESSING CIRCUIT AND SPEAKER SYSTEM FOR REPRODUCING SOUND
FIELD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): SUZUKI TATSUYA

Priority (No,Kind,Date): JP 94310616 A 941214

AppliC (No,Kind,Date): JP 94310616 A 941214

IPC: * H04S-005/00; H04S-001/00; H04S-003/00; H04S-005/02; H04S-007/00

Derwent WPI Acc No: * G 96-352769; G 96-352769

Language of Document: Japanese

04jun03 17:00:45 User015070 Session D8811.2
Sub account: SRSLABS.212VCN-CSP
\$26.95 Estimated total session cost 0.041 Hrs.

Status: Signed Off. (2 minutes)